

10/531589  
JN12 Rec'd PCT/PTC 18 APR 2005  
PCT/JP2004/000922  
Toshio NOZAKI  
Attorney Docket No. 05168.0065-00000

**AMENDMENTS UNDER PCT ARTICLE 19**  
**(ARTICLE 19 AMENDMENTS)**

**International Application No. PCT/JP2004/000922**

**MAILSTOP PCT**

**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

Sir:

**REQUEST FOR SUBSTITUTION OF REPLACEMENT SHEETS**

Please substitute the attached replacement sheets 15 and 16 of the claims containing an English-language translation of the Article 19 Amendments for sheets 15 and 16 of the claims in the enclosed English-language translation of the as-filed PCT application. It is respectfully requested that the claims in the substitute sheets be examined during examination of the patent application. Claims 1-10 are currently pending.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: April 18, 2005

EFC/FPD/rac

By:

  
Ernest F. Chapman  
Reg. No. 25,961

APR 19

10/531589  
JC12 Rec'd PCT/PTC 18 APR 2005

Amended Claims

1. A cocoon-shaped colloidal silica that does not dissolve in an aqueous alkali solution of a pH of 11.5 or less and more than 11.
2. A cocoon-shaped colloidal silica prepared from hydrolyzing an alkoxy silane condensate in the presence of an ammonia or ammonium salt catalyst.
3. A cocoon-shaped colloidal silica prepared by further heating under pressure the colloidal silica prepared by hydrolyzing an alkoxy silane condensate in the presence of an ammonia or ammonium salt catalyst.
4. A cocoon-shaped colloidal silica as set forth in Claim 3, wherein the temperature to which said colloidal silica is heated under pressure is 105 to 374.1 °C.
5. A cocoon-shaped colloidal silica as set forth in Claim 2 or 3 wherein said alkoxy silane condensate has an average degree of condensation of 2 to 8.
6. Polishing abrasive particles comprising the cocoon-shaped colloidal silica as set forth in any one of the Claims 1 to 5.
7. A process for manufacture of a cocoon-shaped colloidal silica, the process comprising adding continuously an alkoxy silane condensate or its solution in an aqueous solvent to an aqueous solution of ammonia or an ammonium salt or to an

aqueous solution containing ammonia or an ammonium salt and an aqueous solvent, thereby hydrolyzing the alkoxy silane.

8. A process for manufacture of a cocoon-shaped colloidal silica, the process comprising adding continuously an alkoxy silane condensate or its solution in an aqueous solvent to an aqueous solution of ammonia or an ammonium salt or to an aqueous solution containing ammonia or an ammonium salt and an aqueous solvent, thereby hydrolyzing the alkoxy silane; and further heating under pressure.

9. A process for the manufacture of a cocoon-shaped colloidal silica as set forth in Claim 8, wherein the temperature to which said alkoxy silane condensate hydrolyzate is heated under pressure is 105 to 374.1 °C.

10. A process for the manufacture of a cocoon-shaped colloidal silica as set forth in any one of the Claims 7 to Claim 9 wherein said alkoxy silane condensate has an average degree of condensation of 2 to 8.